

5/10/02



IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

re the application of:
Kozo AKIYOSHI and Nobuo AKIYOSHI

Serial No.: 10/076,492

Filed: February 19, 2002

For: METHOD AND APPARATUS
FOR MULTIVARIATE SPACE
PROCESSING

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir/Madam:

This Information Disclosure Statement is being filed in the manner prescribed by 37 CFR 1.97(b) - (d) to satisfy the duty under 37 CFR 1.56 to disclose to the Office information, known to individuals associated with the filing and prosecution of the subject application, which is material to the examination of the application.

In accordance with 37 CFR 1.97(g) and (h), this statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 CFR 1.56(b).

This information disclosure statement is being filed after the first official action but before the earlier of the mailing date of either a final action under 37 CFR 1.113 or a notice of allowance under 37 CFR 1.311 and under 37 CFR 1.97(c) is accompanied by either a certification as specified in paragraph (e) of 37 CFR 1.97 or the fee set forth in 37 CFR 1.17(p). Applicant therefore respectfully requests consideration of the information disclosure statement under 37 CFR 1.97 (c).

In accordance with 37 CFR 1.97(e), I hereby certify that each item or information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

Group Art Unit: 2623

Examiner: Ryan J. Hesseltine

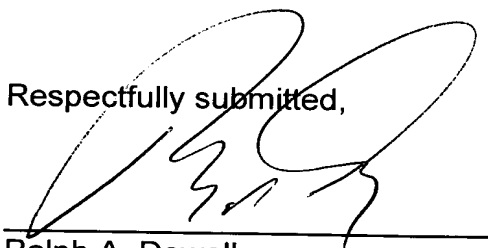
Attorney Docket: 13909

In compliance with 37 CFR 1.98(a)(2), also enclosed, where applicable, is a legible copy of:

- i) each U.S. patent application publication and United States and foreign patent;
- ii) each publication or that portion which caused it to be listed;
- iii) for each cited pending U.S. application, the application specification including the claims, and any drawing of the application, or that portion of the application which caused it to be listed including any claims directed to that portion; and
- iv) all other information or that portion which caused it to be listed, excluding any copies of unpublished United States patent applications.

It is respectfully requested that the information be expressly considered by the Examiner and that the references be made of record and appear among the "References Cited" on any patent to issue therefrom.

Respectfully submitted,



Ralph A. Dowell
Registration No. 26,868

Dowell & Dowell P.C.
Suite 309
2111 Eisenhower Avenue
Suite 406
Arlington, VA 22314

Date: August 10, 2001

Tel: 703-415-2555
Fax: 703-415-2559

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/076,492
Filing Date	February 19, 2002
First Named Inventor	AKIYOSHI, Kozo
Art Unit	2621
Examiner Name	Ryan J. Hesseltine
Attorney Docket Number	13909

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		JP-06-309139	11-7-1994	International Business Machines		
		JP-10-079042	3-24-1998	Monorisu:KK		
		JP-10-269355	10-9-1998	Monorisu:KK		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known

Application Number	10/076,492
Filing Date	February 19, 2002
First Named Inventor	AKIYOSKI, Kozo
Art Unit	2621
Examiner Name	Ryan J. Hesseltine
Attorney Docket Number	13795

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	JAPAN PATENT OFFICE, Notification of Reason(s) for Refusal, May 10, 2005, 3 pages	✓
	2	PATENT ABSTRACTS OF JAPAN, Publication No. 06-309139, November 4, 1994, International Business Mach Corp (IBM), Japan Patent Office, Japan	
	3	PATENT ABSTRACTS OF JAPAN, Publication No. 10-079042, March 24, 1998, Monorisu:KK., Japan Patent Office, Japan	
	4	PATENT ABSTRACTS OF JAPAN, Publication No. 10-269355, October 9, 1998, Monorisu:KK., Japan Patent Office, Japan	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.